



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of:

Kottke, *et al.*

Appl. No.: 10/539,285

371 Date: December 16, 2005

For: **Liquid Detergent and Cleaning Agent  
Composition**

Art Unit: 1796

Examiner: Charles I. Boyer

Atty. Dkt.: 7601/84333

Conf. #: 2632

**Second Supplemental Information Disclosure Statement**

Commissioner of Patents  
U.S. Patent and Trademark Office  
Customer Service Window, **MS RCE**  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Submitted herewith is a listing of documents known to Applicants and/or their attorney in compliance with the requirements of 37 C.F.R. § 1.56. Copies of the listed documents, (with the exception of the US patent references), are enclosed.

In addition to the documents cited herein, Applicants wish to make the Examiner aware of the following co-pending applications: 11/155,918 filed June 16, 2005; 10/555,546 filed November 4, 2005; 11/667,300 filed May 8, 2007; and 11/284,399 filed November 18, 2005.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned attorney submits the following concise explanation of the relevance of the non-English language documents cited on the accompanying form:

Reference B5, published German patent application DE 962 251 describes addition compounds of hydrogen peroxide and silicon dioxide and a method for their production. An English language translation of this reference is enclosed herewith and is cited on the accompanying list of references as document C1.

Reference B6, published German patent application DE 2 013 763, describes powders containing finely divided, pure hydrophobic silica powders in an amount equal to or greater than 9 wt.%. An English language abstract is included herewith and cited on the accompanying list of references as document C2.

Reference B7, published European patent reference EP 0 367 934, describes environmentally harmless aerosols for insect control containing hydrophobised pyrogenic silica. An English language abstract is cited on the accompanying list of references as document C3. In addition, a corresponding US patent (US 5,122,518) is cited on the accompanying list of references as document A6.

Reference B9, European patent document EP 0 703 190, describes a process for the manufacture of peroxide salts, useful in the making of solid active oxygen supports in the detergent industry. The process comprises reacting hydrogen peroxide with an aqueous alkali metal salt solution and crystallizing. An English language abstract corresponding to this document is enclosed herewith and is cited on the accompanying list of references as document C4. In addition, corresponding United States patents, U.S. 5,906,660 and 6,267,934 are cited on the list of references as documents A14 and A18, respectively.

Reference B10, European patent document EP 0 722 992, describes a process for the manufacture of linear alpha-olefins by oligomerizing an unsaturated aliphatic hydrocarbon in an inert organic solvent in the presence of: (a) a titanium aryl/alkyl oxide and organo-aluminium halide catalyst mixture. An English language abstract corresponding to this document is enclosed herewith and is cited on the accompanying list of references as document C5. In addition, a corresponding United States patent, U.S. 6,121,502 is cited on the list of references as document A16.

Reference B12, European patent document EP 0 970 917, describes a fluidized-bed coating of peroxy compounds, especially sodium percarbonate for use in detergent and bleaching products. An English language abstract corresponding to this document is enclosed herewith and is cited on the accompanying list of references as document C6. In addition, a

corresponding United States patent, U.S. 6,239,095 is cited on the list of references as document A17.

Reference B14, published Japanese patent reference JP 06-263 434, describes a preparation of stable sodium percarbonate granules that can be used as a bleaching agent. The preparation is made by granulating sodium percarbonate in the presence of an anionic surfactant, treating the granules with a sulphate solution and then applying the sulphate solution and the surfactant to the granules. An English language abstract of this reference is enclosed herewith and cited on the accompanying list of references as document C7.

Reference B17, published PCT application WO 95/06615, describes a process for manufacturing sodium percarbonate granules by fluidized bed granulation with a ternary atomizing spray. An aqueous hydrogen peroxide solution and an aqueous sodium carbonate solution which contains seedless particles smaller than the granule particles to be produced are sprayed using a single nozzle into a fluidized bed, while at the same time, water is evaporated off. An English language abstract corresponding to this document is enclosed herewith and is cited on the accompanying list of references as document C8. In addition, a corresponding United States patent, U.S. 5,560,896, is cited on the list of references as document A11.

Reference B18, published international patent application WO 96/06801, describes sodium percarbonate that is made by coating carboxylic acid salts and salts of sulphated oils with sulphates. The sodium percarbonate may be used as a bleaching agent and household washing agent. An English language abstract of this reference is enclosed herewith and cited on the accompanying list of references as document C9.

Reference B4, German patent document DE 870 092, describes a method for stabilizing peroxy compounds such as sodium percarbonate using aerosols, particularly those with silicates. An English language abstract corresponding to this document was not available at the time the present document was prepared. However, if the Examiner considers that it is necessary, Applicants will obtain a translation of the patent upon request.

Applicants do not waive any rights to appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the present application. This statement should not be construed as a representation that more material information does not exist or that an exhaustive search of the relevant art has been made.

Consideration of the cited documents and making the same of record in the prosecution of the above-captioned application are respectfully requested.

Applicants do not believe any fees are due for the submission of this Information Disclosure Statement other than those which have been provided. However, the Director is hereby authorized to charge any fee deficiency to our Deposit Account No. 50-4056 under Order No. 7601/84333.

Respectfully submitted,

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By 

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